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RAW SEQUENCE LISTING                  DATE: 11/12/2001
PATENT APPLICATION:  US/09/824,787B      TIME: 18:33:38

Input Set : **A:\seqlist_1821 0040001.txt**
Output Set: **N:\CRF3\11122001\I824787B.raw**

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 4 <110> APPLICANT: Zauderer, Maurice
 5          Evans, Elizabeth E.
 6          Borrello, Melinda A.
 8 <120> TITLE OF INVENTION: A Gene Differentially Expressed in Breast and
 9          Bladder Cancer, and Encoded Polypeptides
11 <130> FILE REFERENCE: 1821.0040001
13 <140> CURRENT APPLICATION NUMBER: 09/824,787B
14 <141> CURRENT FILING DATE: 2001-04-04
16 <150> PRIOR APPLICATION NUMBER: 60/194,463
17 <151> PRIOR FILING DATE: 2000-04-04
19 <160> NUMBER OF SEQ ID NOS: 147
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26 <213> ORGANISM: Homo sapiens
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34        Met Ser Gly Glu Pro Gly Gln Thr Ser Val Ala Pro Pro Pro
35         1               5                  10
37 gag gag gtc gag ccg ggc agt ggg gtc cgc atc gtg gtg gag tac tgt      96
38 Glu Glu Val Glu Pro Gly Ser Gly Val Arg Ile Val Val Glu Tyr Cys
39  15                 20                  25                  30
41 gaa ccc tgc ggc ttc gag gcg acc tac ctg gag ctg gcc agt gct gtg     144
42 Glu Pro Cys Gly Phe Glu Ala Thr Tyr Leu Glu Leu Ala Ser Ala Val
43                 35                  40                  45
45 aag gag cag tat ccg ggc atc gag atc gag tcg cgc ctc ggg ggc aca     192
46 Lys Glu Gln Tyr Pro Gly Ile Glu Ile Glu Ser Arg Leu Gly Gly Thr
47                 50                  55                  60
49 ggt gcc ttt gag ata gag ata aat gga cag ctg gtg ttc tcc aag ctg     240
50 Gly Ala Phe Glu Ile Glu Ile Asn Gly Gln Leu Val Phe Ser Lys Leu
51         65                  70                  75
53 gag aat ggg ggc ttt ccc tat gag aaa gat ctc att gag gcc atc cga     288
54 Glu Asn Gly Gly Phe Pro Tyr Glu Lys Asp Leu Ile Glu Ala Ile Arg
55         80                  85                  90
57 aga gcc agt aat gga gaa acc cta gaa aag atc acc aac agc cgt cct     336
58 Arg Ala Ser Asn Gly Glu Thr Leu Glu Lys Ile Thr Asn Ser Arg Pro
59  95                 100                 105                 110
61 ccc tgc gtc atc ctg tga                                            354
62 Pro Cys Val Ile Leu
63                 115
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67 <211> LENGTH: 115
68 <212> TYPE: PRT
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74 Val Glu Pro Gly Ser Gly Val Arg Ile Val Val Glu Tyr Cys Glu Pro
75              20                  25                  30
76 Cys Gly Phe Glu Ala Thr Tyr Leu Glu Leu Ala Ser Ala Val Lys Glu
77          35                  40                  45
78 Gln Tyr Pro Gly Ile Glu Ile Glu Ser Arg Leu Gly Gly Thr Gly Ala
79      50                  55                  60
80 Phe Glu Ile Glu Ile Asn Gly Gln Leu Val Phe Ser Lys Leu Glu Asn
81   65                  70                  75                  80
82 Gly Gly Phe Pro Tyr Glu Lys Asp Leu Ile Glu Ala Ile Arg Arg Ala
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86 Val Ile Leu
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98 tacctggagc tggccagtgc tgtgaaggag cagtatccgg gcatcgagat cgagtcgcgc 180
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102 ggactctggg ttcctgctct gttctggggt ccaaaccttg gtctcccttt ggtcctgctg 420
103 ggagctcccc tgcctctttc acctacttag ctccttagca aagagacact ggcctccact 480
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175 <223> OTHER INFORMATION: n is any nucleotide of a, t, g or c
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179 tcccgaggag gtcgagccgg gcagtgggt ccgcatcgtg gtggagtact gtgaaccctg 120
180 cggcttcgag gctacctacc tggagctggc cagtgctgtg aaggagcagt atccgggcat 180
181 cgagatcgag tcgcgcctcg ggggcacagg tgctttgaga tagagataaa tggacagctg 240
182 gtgttctcca agctggagaa tggggggcttt ccctatgaga aagatctcat tgaggccatc 300
183 cgaagagcca gtaatggaga aaccctagaa aagatcacca acaagcccgt cctcccttgc 360
184 gtcatcctgt gacttgcaca ggactctggg gttcctgctc tgttctgggg gtccaaacct 420
185 tggtctccct ttggtcctgc tgggaagctc cccctgcctc tttcccctaa ttagctctta 480
W--> 186 agcaaagaga ncctggcctc caatttgccc tttgggtaca aagaaggaat agaanatccg 540
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W--> 187 tggccttggg gaagganaaa aaatntccat aaanttttca ggcaactnaa accnttcca 600
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     203 cgcatcgtgg tggagtactg tgaaccctgc ggcttcgagg cgacctacct ggagctggcc 120
     204 agtgctgtga aggagcagta tccgggcatc gagatcgagt cgcgcctcgg gggcacaggt 180
     205 gcctttgaga tagagataaa tggacagctg gtgttctcca agctggagaa tggggggcttt 240
     206 ccctatgaga aagatctcat tgaggccatc cgaagagcca gtaatggaga aaccctagaa 300
     207 aagatcacca acagccgtcc tccctgcgtc atcctgtgac tgcacaggac tctgggttcc 360
     208 tgctctgttc tggggtccaa accttggtct ccctttggtc ctgctgggag ctcccccctgc 420
     209 ctctgtcccc tacttagctc cttagcaaag agaccctggc ctccactttg ccctttgggt 480
     210 acaaagaagg aatagaagat tccgtggcct tgggggcagg agagagacac tctccatgaa 540
     211 cacttctcca gccacctcat accccccttcc cagggtaagt gcccacgaaa gcccagtcca 600
W--> 212 ctcttccmct cggtaatacc tgtctgatgc cacagatttt atttattctc ccctaaccca 660
     213 gggcaatgtc agctattgcc agt                                         683
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     217 <211> LENGTH: 490
     218 <212> TYPE: DNA
     219 <213> ORGANISM: Homo sapiens
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        259 <223> OTHER INFORMATION: n is any nucleotide of a, t, g or c
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W--> 263 cgagnnnggc agtggggtcc gcatcgtggt ggagtactgt gaaccctgcg gcttcgaggc 120
        264 gacctacctg gagctggcca gtgctgtgaa ggagcagtat ccgggcatcg agatcgagtc 180
        265 gcgcctcggg ggcacaggtg ctttgagata gagataaatg gacagctggt gttctccaag 240
        266 ctggagaatg ggggctttcc ctatgagaaa gatctcattg aggccatccg aagaagccag 300
        267 taatggagaa accctagaaa agatcaccaa caagcccgtc ctccctgcgt catcctgtga 360
        268 ctgcacagga ctctgggttc ctgctctgtt ctggggtcca aaccttggtc tccctttggt 420
W--> 269 cctgctggga gnccccctg cctctttccc ctanttagct nettagcaaa gagaccctgg 480
W--> 270 cctccactnn                                                        490
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        274 <211> LENGTH: 557
        275 <212> TYPE: DNA
        276 <213> ORGANISM: Homo sapiens
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        279 <221> NAME/KEY: misc_feature
        280 <222> LOCATION: (28)..(28)
        281 <223> OTHER INFORMATION: n is any nucleotide of a, t, g or c
        283 <220> FEATURE:
        284 <221> NAME/KEY: misc_feature
        285 <222> LOCATION: (504)..(504)
        286 <223> OTHER INFORMATION: n is any nucleotide of a, t, g or c
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        290 <222> LOCATION: (527)..(527)
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        296 <223> OTHER INFORMATION: n is any nucleotide of a, t, g or c
        298 <400> SEQUENCE: 7
W--> 299 cgtccgtagc gccccctccc gaggagnnt gagccgggca gtggggtccg catcgtggtg 60
        300 gagtactgtg aaccctgcgg cttcgaggcg acctacctg agctggccag tgctgtgaag 120
        301 gagcagtatc cgggcatcga gatcgagtcg cgcctcgggg gcacaggtgc tttgagatag 180
        302 agataaatgg acagctggtg ttctccaagc tggagaatg gggctttccc tatgagaaag 240
        303 atctcattga ggccatccga agagccagta atggaagaaa ccctagaaaa gatcaccaac 300
        304 agccgtcctc ccttgcgtca tcctgtgact gcacaggac tctgggttcc tgctctgttc 360
        305 ttggggtcca aacctttggt ctccctttgg tcctgctggg aagctccccc tgcctctttt 420
        306 cccctactta agctccttta gcaaagaaga acctgggcct tccacttttg ccctttgggg 480
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VERIFICATION SUMMARY                    DATE: 11/12/2001
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Input Set : **A:\seqlist_1821 0040001.txt**
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L:188  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:212  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:262  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:263  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:269  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:270  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:299  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:307  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:308  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:357  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:364  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:465  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
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L:520  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:528  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
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L:720  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:739  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:794  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
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L:850  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
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L:970  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
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L:1019 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
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